RADIO AMATEURS

10TH EDITION

WORLD ATLAS

Contents

World-Polar projection
North America
Central America — West Indies
South America
Asia
Indian Ocean
Japan
Australia and Pacific Ocean
Europe
Africa
Antarctica

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10TH EDITION

THE RADIO AMATEURS

WORLD ATLAS

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PRINTED IN U.S.A

Published by
RADIO AMATEUR CALLBOOK, INC.
925 SHERWOOD DRIVE LAKE BLUFF, ILLINOIS 60044 U.S.A.

Publishers of
Radio Amateur CALLBOOK Magazine
Foreign Radio Amateur CALLBOOK Magazine
Radio Amateurs PREFIX MAP of the WORLD
Radio Amateurs GREAT CIRCLE CHART of the WORLD
Radio Amateurs MAP of NORTH AMERICA
Radio Amateurs WORLD ATLAS
Radio Amateurs DX GUIDE

WORLD
POLAR PROJECTION

Continental Boundaries
DX Zone Boundaries
Capitals

0 500 1000 2000 MILES
0 1000 2000 KILOMETERS
SCALE ON MERIDIANS

AZIMUTHAL EQUIDISTANT PROJECTION

RADIO AMATEURS MAP OF NORTH AMERICA

NORTH AMERICA
Continental Boundaries
DX Zone Boundaries
Radio Amateur Prefix Boundaries
Capitals
0 200 400 600 MILES
0 200 400 600 KILOMETERS
LAMBERT AZIMUTHAL EQUAL AREA PROJECTION
ARCTIC OCEAN
BEAUFORT SEA
BAFFIN BAY
DAVIS STRAIT
HUDSON BAY
GULF OF ALASKA
PACIFIC OCEAN
ATLANTIC OCEAN
GULF OF MEXICO
CARIBBEAN SEA
CANADA
UNITED STATES
ALASKA
GREENLAND
ICELAND
MEXICO
NORTHWEST TERRITORIES
Queen Elizabeth Islands
Victoria Island
Baffin Island
Ellesmere
Banks I.
Prince Patrick I.
Borden
Sverdrup Is.
Isachsen
Thule
Jones Sound
Bathurst I.
North Magnetic Pole
Cornwallis I.
Devon I.
Lancaster Sound
Barrow Strait
Somerset I.
Bylot I.
Prince of Wales I.
Brodeur Peninsula
Boothia Peninsula
Gulf of Boothia
Melville Peninsula
Prince Charles I.
Foxe Basin
Foxe Peninsula
Foxe Channel
Wager Bay
Southampton I.
Coats I.
Mansel I.
Chesterfield Inlet
Dubawnt L.
Amundsen Gulf
Dease Strait
Great Bear Lake
Great Slave Lake
L. Aylmer
L. Athabasca
Wollaston L.
Southern Indian L.
Reindeer L.
Nelson R.
Churchill R.
York Factory
Belcher Is.
Ottawa Is.
Nettilling L.
Cumberland Sound
Amadjuak L.
Frobisher Bay
Resolution I.
Cape Chidley
Hudson Strait
Ungava Bay
Leaf R.
George R.
Hebron
Hopedale
Hamilton Inlet
Labrador
Goose Bay
Gt. Whale R.
Eastmain R.
Ft. George
Rupert House
L. Mistassini
Manicouagan R.
Moisie R.
Seven Islands
Anticosti I.
Gulf of St. Lawrence
Cabot Strait
St. Pierre & Miquelon (Fr.)
Prince Edward I.
Charlottetown
Sydney
Cape Breton I.
Moncton
Nova Scotia
Halifax
Sable I.
Cape Sable
Fredericton
St. John
Maine
Bangor
Augusta
Portland
Montpelier
Concord
Boston
Cape Cod
Providence
Hartford
New York
Albany
Rochester
Buffalo
Toronto
Kingston
Ottawa
Montreal
Quebec
Lawrence R.
Ottawa R.
Chicoutimi
Saguenay R.
Sudbury
North Bay
Sault Ste. Marie
Lake Superior
Lake Michigan
Lake Huron
Lake Erie
Lake Ontario
Marquette
Duluth
Thunder Bay
Port Arthur
Ft. William
Kenora
L. Nipigon
L. of the Woods
Winnipeg
L. Winnipeg
L. Winnipegosis
L. Manitoba
Brandon
Cochrane
Timmins
Albany R.
Moonsonee
Ft. Albany
James Bay
Severn R.
Nelson R.
Churchill R.
Hudson Bay
Yukon R.
Kuskokwim R.
Tanana R.
Porcupine R.
Arctic Circle
Fairbanks
Ft. Yukon
Bethel
Anchorage
Seward
Alaska Peninsula
Bristol Bay
Kodiak I.
Cordova
Kotzebue
Barrow
Nome
Norton Sound
Seward Peninsula
St. Lawrence I.
St. Matthew I.
Nunivak I.
Bering Strait
Brooks Range
Inuvik
Ft. McPherson
Dawson
Whitehorse
Yukon Territory
Mackenzie R.
Norman Wells
Ft. Norman
Port Radium
Ft. Simpson
Yellowknife
Ft. Resolution
Ft. Liard
Ft. Nelson
Liard R.
Hay R.
Ft. Smith
Ft. Vermilion
Chipewyan
Peace River
Ft. McMurray
Peace R.
Alexander Arch.
Dixon Entrance
Queen Charlotte Is.
Hecate Str.
Ketchikan
Prince Rupert
Dawson Creek
Skagway
Juneau
Sitka
Stikine R.
Whitehorse
Vancouver I.
Str. of Juan de Fuca
Cape Flattery
Victoria
Vancouver
New Westminster
Nanaimo
Kamloops
Fraser R.
Columbia R.
Nelson
Cranbrook
Prince George
Fort St. John
Edmonton
Athabasca
N. Saskatchewan R.
Calgary
Red Deer R.
Medicine Hat
Lethbridge
Moose Jaw
Regina
Saskatoon
Prince Albert
N. Battleford
Swift Current
Yorkton
Brandon
Winnipeg
Kenora
Port Arthur
Ft. William
Thunder Bay
Sault Ste. Marie
Sudbury
North Bay
Ottawa
Kingston
Toronto
Hamilton
London
Windsor
Detroit
Chicago
Milwaukee
Green Bay
Lake Bluff
Cedar Rapids
Des Moines
Sioux City
Omaha
Lincoln
Grand Island
Kansas City
St. Louis
Springfield
Jefferson City
Columbia
Evansville
Indianapolis
Cincinnati
Dayton
Columbus
Cleveland
Toledo
Lansing
Flint
Grand Rapids
Gary
Peoria
Springfield
Terre Haute
Louisville
Lexington
Knoxville
Nashville
Memphis
Little Rock
Ft. Smith
Tulsa
Oklahoma City
Muskogee
Amarillo
Canadian R.
Wichita
Wichita Falls
Topeka
Hutchinson
Trinidad
Pueblo
Denver
Colorado Springs
Cheyenne
Casper
Laramie
Rapid City
Sioux Falls
Pierre
Aberdeen
Sheridan
Billings
Yellowstone R.
Missoula
Great Falls
Butte
Helena
Missouri R.
Ft. Peck Res.
Oahe Res.
Bismarck
Grand Forks
Fargo
Duluth
Minneapolis
St. Paul
Rochester
Eau Claire
Green Bay
Milwaukee
Madison
Lake Michigan
Lake Huron
Lake Erie
Lake Ontario
Niagara Falls
Buffalo
Rochester
Albany
Boston
Providence
Hartford
New York
Philadelphia
Baltimore
Washington D.C.
Dover
Trenton
Harrisburg
Pittsburgh
Scranton
Erie
Cleveland
Detroit
Chicago
Milwaukee
Green Bay
Lake Bluff
Cedar Rapids
Des Moines
Sioux City
Omaha
Lincoln
Grand Island
Kansas City
St. Louis
Springfield
Jefferson City
Columbia
Evansville
Indianapolis
Cincinnati
Dayton
Columbus

CENTRAL AMERICA WEST INDIES

- Continental Boundaries
- DX Zone Boundaries
- Radio Amateur Prefix Boundaries
- Capitals

0 50 100 200 300 MILES
0 50 100 200 300 KILOMETERS
CONIC PROJECTION

BERMUDA ISLANDS

ATLANTIC OCEAN
VP9
North Rocks
Coral Reef
Reef
St. George
ST. DAVIDS
Castle Harbour I.
Harrington Sound
Ireland I.
North Village
HAMILTON
Somerset I.
Great Sound
U.S. Naval Base
0 5

ATLANTIC OCEAN
CARIBBEAN SEA
KP4
VP2V
Road Town
Peter I.
BRITISH U.S.
ISLANDS
KV4
Christiansted
ST. CROIX
SAN JUAN
PUERTO RICO
Arecibo
Vega Baja
Manati
Rio Piedras
Aguadilla
Alto Sano
Mayagüez
Jayuya
Caguas
Carolina
Fajardo
Juncos
Humacco
Culebra
Pt. Burica
Vieques
VIEQUES
VIRGIN
Pt. Jiguero
Cabo Rojo
Yauco
Ponce
Coamo
Cayey
Guayama
C. Rojo
St. Thomas
Charlotte Amalie
St. John
0 20 40

Tropic of Cancer
GULF OF MEXICO
4
5
6
7
8
9
FLORIDA
A,K,N,W-4
Orlando
Tampa
Lakeland
St. Petersburg
Cape Canaveral
Fort Pierce
Sarasota
West Palm Beach
Fort Lauderdale
MIAMI
Ft. Myers
Lake Okeechobee
The Everglades
Florida Straits
Key West
Dry Tortugas
Cape Sable
Florida Keys
BAHAMA ISLANDS
GRAND BAHAMA I.
Little Abaco I.
GREAT ABACO ISLAND
Mores I.
NW Providence Channel
Bimini
Cat Cays
Berry Islands
NE Providence Channel
ELEUTHERA ISLAND
NASSAU
New Providence
ANDROS ISLAND
Tongue of the Ocean
Exuma Cays
Great Exuma I.
GREAT BAHAMA BANK
Cay Sal Bank
Old Bahama Channel
Nicholas Channel
Straits of Florida
CAT ISLAND
San Salvador (Watling)
Conception I.
Rum Cay
LONG ISLAND
Samana Cay
Crooked I.
Crooked Island Passage
French Cays
Mayaguana I.
Fortune I.
ACKLINS I.
Caicos Passage
Providenciales
N. Caicos
Grand Caicos
E. Caicos
Caicos Is.
Turks Is.
VP5
W. Caicos
Little Inagua I.
GREAT INAGUA I.
Matthew Town
Mouchoir Passage
Mouchoir Bank
Silver Bank
ISLANDS
Marianao
HAVANA
Matanzas
Cárdenas
Sagua La Grande
Artemisa
Güines
Colon
Santa Clara
Pinar del Rio
Guane
C. San Antonio
Guanabacoa
Gulf of Batabanó
Nueva Gerona
ISLE OF PINES
Cienfuegos
Trinidad
Fomento
Moron
Cayo Romano
Cayo Largo
Ciego de Avila
Camaguey
Nuevitas
Holguin
Victoria de las Tunas
Santa Cruz del Sur
Manzanillo
Bayamo
San Luis
C. Cruz
Santiago de Cuba
CM,CO
C6
Jardines de la Reina
Cayman Islands
Cayman Brac
Little Cayman
Grand Cayman
Georgetown
ZF
Misteriosa Bank
Rosario Bank
Swan Is.
HRØ
Montego Bay
St. Ann's Bay
Annotto Bay
Morant Pt.
JAMAICA
Black River
Frankfield
Spanish Town
KINGSTON
6Y
Pedro Bank
Rosalind Bank
Serranilla Bank
Bajo Nuevo (Col.)
HKØ
Roncador Cay
Quito Sueno Bank (U.S. & Col.)
Serrana Bank
I. de Providencia (Col.)
San Andrés I. (Col.)
Albuquerque Cays (Col.)
Corn Is.
Gorda Bank
Banes
Baracoa
Guantanamo
Guantanamo Bay (U.S.)
KG4
Windward Passage
Ile de la Tortue
Cap Haitien
Monte Cristi
Puerto Plata
Gonaives
Hinche
Ft. Liberté
Santiago de la Caballeros
San Francisco De Marcorís
Sánchez
Sabana de la Mar
DOMINICAN REPUBLIC
HI
Banica
Monte Plata
La Romana
St. Marc
HAITI
HH
ILE DE LA GONAVE
PORT-AU-PRINCE
Jérémie
Les Cayes
Jacmel
Barahona
Bani
SANTO DOMINGO
Saona I.
I. Beata
Navassa I. (U.S.)
KC4
Mona I. (P.R.)
Mona Passage
KP4
SAN JUAN
PUERTO RICO
Mayagüez
Ponce
Guayama
Culebra (P.R.)
Vieques (P.R.)
St. Croix (U.S.)
St. Thomas (U.S.)
St. John (U.S.)
Tortola (Br.)
Virgin Gorda (Br.)
KV4 VIRGIN ISLANDS
VP2V
Anegada (Br.)
Sombrero (Br.)
Anguilla (Br.)
VP2E
St. Martin (Fr.-Neth.)
FS
St. Barthelemy (Fr.)
BARBUDA (Br.)
VP2A
PJ
Saba (Neth.)
St. Eustatius (Neth.)
St. Kitts (Br.)
Nevis (Br.)
St. John's
ANTIGUA (Br.)
VP2A
VP2K
Montserrat (Br.)
VP2M
LEEWARD ISLANDS
Guadeloupe Passage
FG
GUADELOUPE
Basse Terre
Pointe-à-Pitre
MARIE GALANTE
Roseau
DOMINICA (Br.)
VP2D
Aves (Bird I.) (Ven.)
YVØ
Fort de France
MARTINIQUE (Fr.)
FM
Castries
ST. LUCIA (Br.)
VP2L
WINDWARD ISLANDS
ST. VINCENT (Br.)
Kingstown
VP2S
BARBADOS
Bridgetown
8P
THE GRENADINES
St. George's
GRENADA
J3
Progreso
El Cuyo
Tizimín
Kantunilkín
Mérida
Motul
Puerto Morelos
Maxcanú
Chemax
Hecelchakan
Ticul
Cozumel
YUCATAN
Campeche
Hopelchen
Carrillo
Pustunich
Felipe Puerto
PENINSULA
Ciudad del Carmen
Terminos Lagoon
Xbonil
Bacalar
Jonuta
Pital
Ciudad Chetumal
Xcalak
Emiliano Zapata
Orange Walk
Tenosique
XE,XF
BELIZE
VP1
Menché
Flores
Middlesex
Stann Creek
Comitán
Monkey River
Belize R.
Gulf of Honduras
Islas De La Bahía
Chinajá
Huixtla
Tapachula
Coban
Panzos
Izabal
Puerto Barrios
Puerto Cortés
La Ceiba
Trujillo
Brewers
GUATEMALA
Comalapa
Zacapa
San Pedro Sula
Potrerillos
Olanchito
Quezaltenango
Jalapa
Chiquimula
Santa Rosa
Comayagua
Juticalpa
Carataska Lagoon
Puerto Cabo Gracias á Dios
Mazatenango
GUATEMALA
TG
HONDURAS
Santa Ana
Marcala
TEGUCIGALPA
HR
San José
Sansonate
San Vincente
SAN SALVADOR
EL SALVADOR
La Libertad
San Miguel
San Lorenzo
Jinotega
Matagalpa
Esteli
La Union
YS
YN
Gulf of Fonseca
Chinandega
Corinto
León
NICARAGUA
MOSQUITO COAST
Puerto Cabezas
Tunki
Wuonta
Rama
Bluefields
MANAGUA
Masaya
Granada
Lake Managua
Lake Nicaragua
Puerto Somoza
Acoyapa
Escondido R.
Grande R.
Coco R.
Patuca R.
San Juan del Sur
San Carlos
El Castillo
San Juan del Norte
Liberia
Negrita
COSTA RICA
Alajuela
Heredia
Limón
Puntarenas
SAN JOSÉ
TI
C. Blanco
Golfito
Puerto Cortés
Almirante
Boquete
David
Puerto Armuelles
Pt. Burica
San Cristóbal
Penonome
Las Palmas
Chitré
Rio Hato
CANAL ZONE (U.S.)
PANAMA
Arch. de las Perlas
KZ5
Gulf of Panama
Colón
Chepo
Manana
Acanti
Las Palmas
Mulatos
Turbo
Coiba I.
Pt. Mala
HP
Cupica
Gulf of Uraba
PACIFIC OCEAN
CARIBBEAN SEA
NETHERLANDS ANTILLES
Aruba (Neth.)
CURACAO (Neth.)
Bonaire (Neth.)
Willemstad
PJ
Pt. Gallinas
Paraguana Pen.
Punta Cardón
Coro
I. De Aves (Ven.)
Las Roques Is. (Ven.)
I. Orchila (Ven.)
La Blanquilla I. (Ven.)
Uriba
Riohacha
Santa Marta
Ciénaga
BARRANQUILLA
Soledad
Sabanalarga
CARTAGENA
Turbaco
Valledupar
Rosario
Machiques
MARACAIBO
Cabimas
Lagunillas
Gulf of Venezuela
Lake Maracaibo
Plato
Sincelejo
Mompós
Magangué
El Banco
Montería
COLOMBIA
Ayapel
Ocana
Caucasia
Yarumal
Cúcuta
San Cristóbal
Santa Barbara
Puerto Wilches
Pamplona
Bucaramanga
Barrancabermeja
HK
Trujillo
Valera
Guanare
Barbinas
Mérida
San Carlos de Zulia
Carora
San Felipe
Puerto Cabello
Maracay
La Guaira
CARACAS
Valencia
Baquisimeto
El Tocuyo
San Carlos
San Juan
Ocumare
Altagracia
Zaraza
Valle de la Pascua
El Baúl
Puerto de Nutrias
San Fernando de Apure
Cabruta
Caicara
Maripa
Ciudad Bolivar
La Paragua
Puerto Carreno
YV
VENEZUELA
Barcelona
Anaco
Cantaura
Cumana
Caripito
Maturín
El Tigre
Tucupita
Carúpano
PORT OF SPAIN
TRINIDAD AND TOBAGO
9Y
TOBAGO
TRINIDAD
Arima
San Fernando
Pariá
Gulf of Pariá
Orinoco Delta
Orinoco R.
Guarapiche R.
Portamar
Coche I.
MARGARITA I.
I. La Tortuga
San Tomé
El Pao
El Callao
El Dorado
Canaima
Morawhanna
GUYANA
8R

SOUTH AMERICA

- Continental Boundaries
- DX Zone Boundaries
- Radio Amateur Prefix Boundaries
- Capitals

0 200 400 600 MILES

0 200 400 600 KILOMETERS

LAMBERT AZIMUTHAL EQUAL AREA PROJECTION

CARIBBEAN SEA
ATLANTIC OCEAN
PACIFIC OCEAN
HONDURAS HR
NICARAGUA YN, HT
COSTA RICA TI
KZ5 CANAL ZONE
PANAMA HP
COLOMBIA HK
VENEZUELA YV
CARACAS
TRINIDAD & TOBAGO 9Y
PORT OF SPAIN
DOMINICA (Br.) VP2D
MARTINIQUE (Fr.) FM
ST. LUCIA (Br.) VP2L
BARBADOS 8P
GRENADA J3
NETH ANTILLES PJ
PTE. GALLINAS
ARUBA P4
GUYANA 8R
GEORGETOWN
PARAMARIBO
SURINAM PZ
FR. GUIANA FY
CAYENNE
ECUADOR HC
QUITO
PERU OA
LIMA
BOGOTÁ
BRAZIL PP-PY
BRASILIA
BOLIVIA CP
LA PAZ
SUCRE
PARAGUAY ZP
ASUNCION
URUGUAY CX
MONTEVIDEO
BUENOS AIRES
SANTIAGO
CHILE CE
CEØX
CEØZ
JUAN FERNÁNDEZ (Chile)
Más a Tierra
Más Afuera
San Felix Is. (Chile)
Cocos I. (C.R.) TI9
Malpelo I. (Col.) HKØ
Galapagos Is. (Ec.) HC8
PYØ St. Peter and St. Paul Rocks
Fernando de Noronha (Brazil) PYØ
Martin Vaz Islands (Brazil) PYØ
FALKLAND ISLANDS (Br.) VP8
WEST FALKLAND
EAST FALKLAND
Stanley
South Georgia (Br.) VP8
South Shetland Is. CE9, LU-LZ, VP8
South Orkney Is. LU-LZ, VP8
South Sandwich Is. LU-LZ, VP8
ANTARCTICA
Equator
Tropic of Capricorn
Angel Falls 3,212
Huascaran 22,200
Chimborazo 20,560
Tolima 18,438
Aconcagua 22,840

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ASIA
Continental Boundaries
DX Zone Boundaries
Radio Amateur Prefix Boundaries
Capitals
0 200 300 400 500 MILES
0 500 KILOMETERS
LAMBERT AZIMUTHAL EQUAL AREA PROJECTION
UNION OF SOVIET SOCIALIST REPUBLICS
RUSSIAN SOVIET FEDERATED SOCIALIST REPUBLIC
UA1-2-3-4-6
UA9-Ø
EUROPE
IRAN
IRAQ
SAUDI ARABIA
KUWAIT
NEUTRAL ZONES
AFGHANISTAN
PAKISTAN
INDIA
MONGOLIA
CHINA
KUNLUN MTS.
TAKLA MAKAN (DESERT)
GOBI DESERT
MANCHURIA
NORTH KOREA
SOUTH KOREA
JAPAN
HONSHU
HOKKAIDO
KAMCHATKA PENINSULA
SEA OF OKHOTSK
SEA OF JAPAN
PACIFIC OCEAN
TURKEY
SYRIA
LEBANON
ISRAEL
JORDAN
YEMEN
SOUTH YEMEN
SULTANATE OF OMAN
UNITED ARAB EMIRATES
QATAR
BAHRAIN
BURMA
THAILAND
CAMBODIA
LAOS
VIETNAM
MALAYSIA
BRUNEI
SINGAPORE
INDONESIA
BORNEO
PHILIPPINES
TAIWAN
HONG KONG
MACAO
SRI LANKA (CEYLON)
NEPAL
BHUTAN
BANGLADESH
ARABIAN SEA
BAY OF BENGAL
INDIAN OCEAN
ANDAMAN SEA
SOUTH CHINA SEA
PHILIPPINE SEA
CAROLINE ISLANDS
1
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20
21
22
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24
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26
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28
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37
UA1-2-3-4-6
UA9-Ø
UA7
UA8
UA8
UJ8
UJ8
UH8
UM8
UN8
UK8
UL7
UI7
UW8
UZ8
UD6
UF6
UG6
UH6
UI6
UJ6
UK6
UL6
UM6
UN6
UO6
UP6
UQ6
UR6
UA0
UA2
UA3
UA4
UA6
UA9
UA0
UA2
UA3
UA4
UA6
UA9
UA-UI
UA-UQ
UA-UR
UA-UZ
UA-UW
UA-UX
UA-UY
UA-UZ
UA-UW
UA-UX
UA-UY
UA-UZ
UA-UW
UA-UX
UA-UY

UNION OF SOVIET SOCIALIST REPUBLICS
MONGOLIA
CHINA
MANCHURIA
KOREA
NORTH KOREA
SOUTH KOREA
SEA OF JAPAN
SEA OF OKHOTSK
SAKHALIN
HOKKAIDO
HONSHU
SHIKOKU
KYUSHU
TOKYO
NAGOYA
KYOTO
OSAKA
KOBE
SAPPORO
HAKODATE
NIIGATA
SENDAI
KAMCHATKA PENINSULA
TAIWAN
PHILIPPINES
INDONESIA
MALAYSIA
BORNEO
SUMATRA
JAVA
CELEBES
NEW GUINEA
AUSTRALIA
INDIA
PAKISTAN
IRAN
IRAQ
SAUDI ARABIA
TURKEY
EGYPT
SUDAN
ETHIOPIA
KENYA
TANZANIA
MADAGASCAR
SOUTH AFRICA
INDIAN OCEAN
PACIFIC OCEAN
ARABIAN SEA
BAY OF BENGAL
SOUTH CHINA SEA
EAST CHINA SEA
YELLOW SEA
SEA OF JAPAN
GOBI DESERT
TAKLA MAKAN (Desert)
GREAT SANDY DESERT
GREAT VICTORIA DESERT
Tropic of Cancer
Tropic of Capricorn
Equator
16
17
18
19
20
21
22
23
24
25
26
27
28
29
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37
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39
UA9-Ø
BY
BY9
HL, HM
JA-JS
JT
JR6
VK6
VK9X
VK9Y
YB-YH
9M2
9V
HS
XU
XV
XZ
XW
VS6
CR9
BV
DU
VU
VU7
ZS2
FB8W
FB8Z
FB8X
VKØ
INDIAN OCEAN
Continental Boundaries
DX Zone Boundaries
Radio Amateur Prefix Boundaries
Capitals
0 100 200 300 400 MILES
0 100 200 300 400 KILOMETERS
SCALES AT THE EQUATOR
MERCATOR PROJECTION
JAPAN
DX Zone Boundaries
Radio Amateur Prefix Boundaries
Capitals
0 50 100 200 MILES
0 50 100 200 KILOMETERS
LAMBERT CONFORMAL CONIC PROJECTION

PACIFIC OCEAN
Continental Boundaries
DX Zone Boundaries
Radio Amateur Prefix Boundaries
Capitals
0 100 200 300 400 MILES
0 100 200 300 500 KILOMETERS
SCALES AT THE EQUATOR
MERCATOR PROJECTION
24
25
27
28
29
30
31
32
3
6
7
10
12
JA-JS
HL,HM
BV
BY
CR9
VS6
XV
XW
XU
VS5
9M6
9M8
9V
YB-YH
VK9X
VK8
VK4
VK6
VK5
VK2
VK1
VK3
VK7
YJ
VK9Z
FK
P2
H4
KG6
KC6
KX6
VR1
KW6
KH6
KM6
KJ6
KP6
KB6
VR3
VR7
VR1, KB6
ZM7
5W
KS6
ZK1
ZK2
A3
3D2
T2
C2
KH6
A,K,N,W
XE,XF
XE4
VR6
FO
ZL
CEØA
JAPAN
CHINA
INDONESIA
AUSTRALIA
PHILIPPINE SEA
CORAL SEA
TASMAN SEA
INDIAN OCEAN
HAWAIIAN ISLANDS
MARIANA ISLANDS
CAROLINE ISLANDS
MARSHALL ISLANDS
GILBERT ISLANDS
SOLOMON IS.
NEW ZEALAND
FRENCH POLYNESIA
MARQUESAS ISLANDS
TUBUAI (Australia) I/S
COOK IS.
TOKELAU IS.
PHOENIX IS.
LINE ISLANDS
UNITED STATES
MEXICO
Tropic of Cancer
Tropic of Capricorn
Equator
International Date Line
Sian
Chengtu
Kaifeng
Suchow
Nanking
Changteh
Changsha
Nanchang
Hangchow
Kweiyang
Foochow
Kweilin
Amoy
Nanning
Hong Kong (BR.)
Macao (Port.)
Haiphong
Hanoi
Hainan
Hue
Da Nang
Vietnam
Cambodia
Phnom Penh
Laos
Kaifeng
Loyang
Wuhan
Shanghai
Canton
Taipei
Taiwan
Ryukyu Islands
Okinawa
Sakishima Is.
Amami Is.
Pusan
South Korea
Hiroshima
Nagasaki
Kyoto
Nagoya
Osaka
Tokyo
Muko Jima
Chichi Jima
Hahr Jima
Ogasawara Is.
Kito Iwo
Iwo Jima
Minami Iwo
Volcano Islands
Minami-Tori-Shima
Farallon de Pajaros
Asuncion
Pagan
Alamagan
Sarigan
Anatahan
Saipan
Tinian
Rota
Guam (U.S.)
Babuyan Is.
Aparri
Luzon
Quezon City
Manila
Philippines
Legaspi
Mindoro
Panay
Iloilo
Samar
Leyte
Negros
Palawan
Mindanao
Davao
Sulu Arch.
Jesselton
Brunei
Sabah
Sarawak
Kuching
Natuna Is.
Singapore
Borneo
Balikpapan
Sorong
Schouten Is.
Biak
Halmahera
Ternate
Morotai
Merir
Sonsorol Is.
Yap Is.
Ulithi
Ngulu
Surol
Woleai
Elato
Lamotrek
Ifalik
Pigailoe
Pulap
Putuwat
Hall Is.
Truk Is.
Losap
Oroluk
Mortlock Is.
Ponape
Pingelap
Mokil
Kusaie
Nukuoro
Eniwetok
Bikini
Rongelap
Rongerik
Utirik
Taka
Ailuk
Wotje
Maloelap
Ujae
Kwajalein
Ailinglapalap
Ralik Chain
Ratak Chain
Namu
Majuro
Mili
Jaluit
Namorik
Ebon
Ujelang
Makin
Tarawa
Kuria
Aranuka
Mauru
Ocean
Nonouti
Beru
Tamana
Arorae
Nanumea
Nui
Vaitupu
Funafuti
Nukufetau
Nukulaelae
Niulakita
Rotuma
Wallis Is.
Futuna
Samoa
Pago Pago
Apia
Manua Is.
Swains I.
Nassau
Suvorov Is.
Danger Is.
Manahiki
Rakahanga
Tongareva
Vostok I.
Flint I.
Caroline I.
Nuku Hiva
Ua Huka
Tahuata
Motane
Fatu Hiva
Bora Bora
Tahaa
Raiatea
Tubuai
Manu Islands
Tahiti
Papeete
Society Islands
Matahiva
Rangiroa
Takaroa
Arutika
Katiu
Raroia
Napuka
Puka Puka
Fangahina
Anaa
Marokau
Ahunui
Gloucester Is.
Tematan
Morane
Tatakoto
Hao
Aki Aki
Puka Ruha
Reao
Pinaki
Tureia
Actaeon
Marutea
Gambier Is.
Oeno I.
Henderson I.
Ducie I.
Pitcairn I.
Rapa I.
Bass I.
Rurutu
Rimatara
Raivavae
Tubuai
Maria
Mangaia
Rorotonga
Aitutaki
Atiu
Mauke
Mitiaro
Manuae
Palmerston Atoll
Beveridge
Niue
Antiope
Vava'u Group
Ha'apai Group
Tongatapu Group
Lau Group
Suva
Viti Levi
Kandavu
Vanua Levu
Tavuni
Fiji Islands
Tonga Is.
Pentecost
Ambrim
Epi
Vila
Eromanga
Tana
Lifu
Mare
Loyalty Is.
Noumea
New Caledonia
Santa Cruz Is.
Torres Is.
Banks
Espiritu Santo
New Hebrides
Ndeni
Nurakita
Rennell I.
Gardner Pinnacles
Laysan
Lisianski
Midway Is. (U.S.)
Kure
French Frigate Shoals
Necker
Nihoa
Kauai
Oahu
Honolulu
Maui
Hawaii
Johnston I. (U.S.)
Wake I. (U.S.)
Howland I. (U.S.)
Baker I. (U.S.)
Winslow Reef
Canton
Endurbury
Phoenix I.
Sydney I.
Hull I.
McKean I.
Gardner I.
Jarvis I. (U.S.)
Kingman Reef (U.S.)
Palmyra I. (U.S.)
Washington I. (Br.)
Fanning I. (Br.)
Northern Line Is.
Christmas I.
Central and Southern Line Is.
Malden I.
Starbuck I.
Atafu
Nukunono
Fakaofo
Swains I.
Danger Is.
Nassau
Suvorov Is.
Manahiki
Rakahanga
Tongareva
Vostok I.
Flint I.
Caroline I.
Nuku Hiva
Ua Huka
Tahuata
Motane
Fatu Hiva
Marquesas Islands
Raoul (N.Z.)
Kermadec Is. (N.Z.)
Norfolk (Austl.)
Philip (Austl.)
Lord Howe I.
Auckland Is. (N.Z.)
Campbell I. (N.Z.)
Bounty Is. (N.Z.)
Chatham I. (N.Z.)
Auckland
North Island
New Plymouth
Napier
Wellington
Nelson
Westport
South Island
Christchurch
Mt. Cook 12,349
Timaru
Dunedin
Invercargill
Stewart I.
Russell
Sacramento
Oakland
San Francisco
Fresno
Las Vegas
Albuquerque
Los Angeles
Phoenix
San Diego
Mexicali
El Paso
Chihuahua
Guadaloupe (Mex.)
Culiacan
La Paz
Durango
Guadalajara
Revilla Gigedo Is. (Mex.)
Clipperton I. (Fr.)
Sala-y-Gomez (Chile)
Easter I. (Chile)
Christmas I. (Australia)
Darwin
Melville
C. Talbot
C. York
Wyndham
Broome
Derby
Hall's Creek
Port Hedland
Onslow
Carnarvon
Geraldton
Mount Magnet
Perth
Fremantle
Collie
Esperance
Albany
Pemberton
Kalgoorlie
Eyre
Great Victoria Desert
Great Sandy Desert
Gibson Desert
Great Australian Bight
Western Australia
Northern Territory
South Australia
Queensland
New South Wales
Victoria
Tasmania
Daly Waters
Tennant Creek
Barrow Creek
Alice Springs
Oodnadatta
Cloncurry
Normanton
Townsville
Hughenden
Aramac
Longreach
Birdsville
Charleville
Cunnamulla
Roma
Toowoomba
Brisbane
Ipswich
Rockhampton
Bundaberg
Grafton
Walgett
Narrabri
Port Macquarie
Newcastle
Sydney
Wollongong
Canberra
Mt. Kosciusko
Cobar
Bourke
Broken Hill
Wyalong
Wagga Wagga
Port Augusta
Wallaroo
Adelaide
Port Lincoln
Penong
Ceduna
Kangaroo I.
Kingston
Ballarat
Melbourne
Geelong
Furneaux Group
Devonport
Launceston
Hobart
Cairns
Townsville
Great Barrier Reef
Willis I.
Chesterfield Is.
Louisiade Arch.
Rennell I.
Port Moresby
Merauke
Kotabaru
Aitape
Wewak
Madang
Rabaul
Kavieng
New Hanover
New Ireland
Bismarck Arch.
Admiralty
Hermit
Ninigo Is.
Mapia Is.
Green Is.
Bougainville IS.
Kieta
New Britain
Trobriand Is.
D'entrecasteaux Is.
Vella Lavella
New Georgia
Honiara
Guadalcanal
Santa Isabel
Malaita
San Cristobal
Lombok
Sumbawa
Flores
Sumba
Timor
Roti
Savu Sea
Banda Sea
Arafura Sea
Timor Sea
Gulf of Carpentaria
Torres Str.
Bass Str.
Coral Sea
Tasman Sea
Indian Ocean
Java
Sumatra
Jakarta
Semarang
Surabaya
Bandung
Palembang
Bandjermasin
Makassar
Celebes
Buru
Ceram
Fakfak
Kaimana
Aru Is.
Kai Is.
Tanimbar Is.
Wetar
Alor
Butang
Sula Is.
Japen
West Irian
Papua New Guinea
Lord Howe I.
Norfolk I.
Kermadec Is.
Raoul I.
Chatham I.
Auckland Is.
Campbell I.
Bounty Is.
Antipodes Is.
Macquarie I.
Balleny Is.
Scott I.
Ross Dependency
Ross Sea
Victoria Land
Mt. Erebus
Mt. Terror
Mt. Melbourne
Mt. Sidley
Mt. Waesche
Mt. Siple
Mt. Rea
Mt. Takahe
Mt. Murphy
Mt. Casey
Mt. Hayes
Mt. Hunter
Mt. Fridtjof
Mt. Gjelsvik
Mt. Nansen
Mt. Sabine
Mt. Bowers
Mt. Minto
Mt. Kirkpatrick
Mt. Lister
Mt. Markham
Mt. Wade
Mt. Dickerson
Mt. Bird
Mt. Huggins
Mt. Hampton
Mt. Rittscher
Mt. Discovery
Mt. Morning
Mt. Terra Nova
Mt. Overlord
Mt. Supernal
Mt. Rayner
Mt. Gardner
Mt. Lanterman
Mt. Dayman
Mt. Abbot
Mt. Cleveland
Mt. Jackson
Mt. Bastien
Mt. Kaplan
Mt. Dustin
Mt. Baldr
Mt. Sidley
Mt. Waesche
Mt. Siple
Mt. Rea
Mt. Takahe
Mt. Murphy
Mt. Casey
Mt. Hayes
Mt. Hunter
Mt. Fridtjof
Mt. Gjelsvik
Mt. Nansen
Mt. Sabine
Mt. Bowers
Mt. Minto
Mt. Kirkpatrick
Mt. Lister
Mt. Markham
Mt. Wade
Mt. Dickerson
Mt. Bird
Mt. Huggins
Mt. Hampton
Mt. Rittscher
Mt. Discovery
Mt. Morning
Mt. Terra Nova
Mt. Overlord
Mt. Supernal
Mt. Rayner
Mt. Gardner
Mt. Lanterman
Mt. Dayman
Mt. Abbot
Mt. Cleveland
Mt. Jackson
Mt. Bastien
Mt. Kaplan
Mt. Dustin
Mt. Baldr

EUROPE
Continental Boundaries
DX Zone Boundaries
Radio Amateur Prefix Boundaries
Capitals
0 100 200 300 400 MILES
0 100 300 300 400 KILOMETERS
LAMBERT AZIMUTHAL EQUAL AREA PROJECTION
16
17
40
14
15
16
17
20
21
33
UNION OF SOVIET SOCIALIST REPUBLICS
RUSSIAN SOVIET FEDERATED SOCIALIST REPUBLIC
UA1-2-3-4-6
UL7
UI8
UH8
UC2
UP2
UQ2
UR2
UN1
UF6
UG6
UD6
UW6
UA2
UB5
UO5
KOLA PEN.
KARELO-FINNISH REP.
WHITE RUSSIAN S.S.R.
UKRAINIAN S.S.R.
MOLDAVIAN S.S.R.
LITHUANIAN S.S.R.
R.S.F.S.R.
ESTONIAN S.S.R.
LATVIAN S.S.R.
GEORGIAN S.S.R.
AZERBAIDZHAN S.S.R.
ARMENIAN S.S.R.
CRIMEAN PEN.
CAUCASUS
BARENTS SEA
KARA SEA
WHITE SEA
BALTIC SEA
NORTH SEA
NORWEGIAN SEA
ATLANTIC OCEAN
BLACK SEA
CASPIAN SEA
ARAL SEA
MEDITERRANEAN SEA
AEGEAN SEA
TYRRHENIAN SEA
ADRIATIC SEA
IONIAN SEA
BAY OF BISCAY
SEA OF AZOV
GULF OF FINLAND
GULF OF RIGA
GULF OF BOTHNIA
ICELAND TF
REYKJAVIK
JAN MAYEN (NOR.) JX
FAEROE IS. (DEN.) OY
SHETLAND IS. (BR.)
ORKNEY IS.
HEBRIDES
NORWAY LA-LN
SWEDEN SA-SM
FINLAND OH
OH0
DENMARK OZ
GREAT BRITAIN G
GM SCOTLAND
GI N. IRELAND
GD I. OF MAN
GW WALES
EI IRELAND
GU GUERNSEY
GJ JERSEY
NETHERLANDS PA-PI
BELGIUM ON
LUXEMBOURG LX
FRANCE F
PORTUGAL CT
SPAIN EA
ANDORRA C31
MONACO 3A
SWITZERLAND HB
HB0
4U
AUSTRIA OE
GERMANY DA-DL
DM EAST GERMANY
CZECHOSLOVAKIA OK-OL
POLAND SP
HUNGARY HA
HG
YUGOSLAVIA YU
ITALY I-IZ
VATICAN CITY HV
SAN MARINO M1
CORSICA FC
SARDINIA IS
SICILY IT
MALTA 9H
ALBANIA ZA
GREECE SV
CRETE SV
RUMANIA YO
BULGARIA LZ
TURKEY TA-TC
CYPRUS ZC5B
SYRIA YK
LEBANON OD
IRAQ YI
IRAN EP
MOROCCO CN
ALGERIA 7X
TUNISIA 3V
MOUNTAINS ATLAS
EA6 BALEARIC IS.
EA9
ZB2
C. St. Vincent
Longitude West of Greenwich
Longitude East of Greenwich

18
AFRICA
Continental Boundaries
DX Zone Boundaries
Radio Amateur Prefix Boundaries
Capitals
0 200 400 600 800 MILES
0 200 400 600 800 KILOMETERS
LAMBERT AZIMUTHAL EQUAL AREA PROJECTION
Longitude West of Greenwich
Longitude East of Greenwich
EUROPE
ASIA
ATLANTIC OCEAN
INDIAN OCEAN
MEDITERRANEAN SEA
BLACK SEA
Persian Gulf
Gulf of Aden
Gulf of Guinea
Red Sea
London
Berlin
Warsaw
Moscow
Paris
Kiev
Vienna
Rome
Madrid
Lisbon
Istanbul
Ankara
Athens
Damascus
Baghdad
Jerusalem
Cairo
Tropic of Cancer
Tropic of Capricorn
Equator
AZORES (Port.) CT2
MADEIRA IS. (Port.) CT3
CANARY IS. (Sp.) EA8
SPANISH SAHARA EA9
MOROCCO CN
ALGERIA 7X
TUNISIA 3V
LIBYA 5A
EGYPT SU
MAURITANIA 5T
MALI TZ
NIGER 5U
CHAD TT
SUDAN ST
ETHIOPIA ET
SOMALI REP. 60
DJIBOUTI J2
ERITREA 37
SENEGAL 6W
THE GAMBIA C5
GUINEA BISSAU CR3,J5
GUINEA 3X
SIERRA LEONE 9L
LIBERIA EL,5L
IVORY COAST TU
VOLTAIC REP. XT
GHANA 9G
TOGO 5V
BENIN TY
NIGERIA 5N
CENTRAL AFRICAN REP. TL
CAMEROON TJ
EQUATORIAL GUINEA 3C
GABON TR
CONGO TN
ZAIRE
UGANDA 5X
KENYA 5Z
RWANDA 9X
BURUNDI 9U
TANZANIA 5H3
ANGOLA D2
ZAMBIA 9I, 9J
MALAWI 7Q
MOZAMBIQUE C8,C9
RHODESIA ZE
NAMIBIA A2
BOTSWANA
REPUBLIC OF SOUTH AFRICA ZR-ZS
LESOTHO 7P
SWAZILAND 3D6
MALAGASY REPUBLIC 5R
COMOROS D6
MAYOTTE FH
REUNION FR
ZR3-ZS3
S8
S9
ZD7
ZD8
ZD9
VQ9
5H1
7P
3D6
C8,C9
5R
D2
D4
CR3,J5
EL,5L
CN
CT2
CT3
EA8
EA9
5T
6W
C5
3X
9L
TU
XT
9G
5V
TY
5N
7X
3V
5A
SU
5U
TT
ST
J2
37
60
5X
5Z
9X
9U
5H3
9Q
9I, 9J
7Q
C8,C9
ZE
A2
5R
7P
3D6
38
39
34
33
35
36
14
15
16
17
20
21
Tristan de Cunha (Br.) ZD9
Gough (Br.)
Ascencion (Br.) ZD8
St. Helena (Br.) ZD7
Aldabra Is. (Br.) VQ9
Annobón (Sp.)
St. Thomas
Principe
C. Verde Is.
Algiers
Tunis
Tripoli
Benghazi
Alexandria
Port Said
Suez Canal
Casablanca
Marrakech
Oran
Biskra
Ouargla
Ghadames
Ghat
Tamanrasset
In Salah
Zella
Baida
Asyut
Aswan
Toummo
Wadi Halfa
Port Sudan
Dongola
Atbara
Omdurman
Khartoum
Kassala
Asmara
Gondar
Addis Ababa
Harar
Gore
Mega
Juba
Berbera
Hargeisa
Guardafui
Dante
Socotra
Mogadishu
Chisimaio
Mombasa
Zanzibar
Dar-es-Salaam
Tabora
Moshi
Mwanza
Kisangani (Stanleyville)
Titule
Fort Sibut
Bangui
Yaounde
Douala
Libreville
Port Francqui
Kindu
Kinshasa (Léopoldville)
Brazzaville
Matadi
Pointe-Noire
Cabinda
Malange
Nova Lisboa
Benguela
Uargeisa
Moçâmedes
Manono
Jadotville
Lubumbashi (Elisabethville)
Nkana
Lusaka
Livingstone
Salisbury
Kariba
Tsumeb
Maun
Windhoek
Walvis Bay (S. Afr.)
Serowe
Kalahari Desert
Lobatsi
Pretoria
Mbabane
Maputo
Bulawayo
Beira
Quelimane
Inhambane
Lindi
Majunga
Antsirabe
Fianarantsoa
Tuléar
Diego Suarez
Moçambique
Nyasa
Tanganyika
Kariba
Limpopo
Orange
Lüderitz
Port Nolloth
Kimberley
Pietermaritzburg
Durban
Oudtshoorn
East London
Port Elizabeth
Cape Town
C. of Good Hope
Kano
Kaduna
Oyo
Ibadan
Lagos
Porto Novo
Cotonou
Abidjan
Accra
Lomé
Kumasi
Sekondi
Freetown
Monrovia
Conakry
Bissau
Bathurst
Dakar
Kayes
Timbuktu
Gao
Iferouane
Largeau
Zinder
Tahoua
Niamey
Mao
Abeche
Ft. Lamy
El Fasher
El Obeid
Ft. Archambault
Bamako
Ouagadougou
Nouakchott
Port Etienne
Villa Cisneros
Las Palmas
Aiun
Melilla
Ceuta
Tangier
Mabat
Constantine
Bone
Sfax
Biskra
Ouargla
Gulf of Aden
Red Sea
Persian Gulf
Mediterranean Sea
Black Sea
Suez Canal
Lake Chad
Lake Victoria
Lake Rudolf
Lake Albert
Lake Nyasa
Lake Tanganyika
Lake Mweru
Kariba
Limpopo
Orange
Kasai
Congo
Niger
Benue
Volta
Senegal
Gambia
White Nile
Blue Nile
Zambezi
Lambert
Channel
Mozambique
Juan de Nova
Glorioso Is.
Comoro
Mayotte
Reunion
Tropic of Capricorn
Tropic of Cancer
Equator
Longitude West of Greenwich
Longitude East of Greenwich